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→ JP11246849A ☐ 19990914**Title:** (ENG) COLLOIDAL SILICA SLURRY FOR POLISHING DISK PLATED WITH NICKELPHOSPHIDE**Abstract:** (ENG)

**PROBLEM TO BE SOLVED:** To obtain the subject slurry capable of increasing NiP removing rate of a colloidal slurry, reducing number of polishing scratches and simultaneously providing an excellently polished surface finish, by including an aqueous colloidal silica polishing material and a metal nitrate.

**SOLUTION:** This colloidal silica slurry comprises (A) an aqueous colloidal silica polishing material for polishing a product by abrasion and (B) a metal nitrate which reduces the pH of a slurry preferably to pH = about 3.5 and increases an abrasive rate in a chemical-mechanical polishing. The component B is preferably  $Al(NO_3)_3$  and the slurry preferably contains  $HNO_3$  and  $H_2O_2$ . In this case, the contents of the components are preferably 2-40 wt.% of the component A, 0.1-2.5 wt.% of  $Al(NO_3)_3$ , >0 wt.% and =1 wt.% of  $HNO_3$  and 0.1-3 wt.% of  $H_2O_2$ .

**Application Number:** JP 31610698 A**Applicant (Filing) Date:** 19981106**Priority Data:** US 96509997 19971106 A X**Inventor(s):** KAN IIA**Assignee/Applicant/Grantee:** KOMAG INC**IPC (International Class):** C09K00314; B24B03700**Other Abstracts for Family Members:** CHEMABS131(15)203556G; DERABS C1999-583508**Other Abstracts for This Document:** CHEMABS131(15)203556G; DERABS C1999-583508**Patents Citing This One (4):**

- US6620216B2 20030916 KAO CORP JP  
Polishing composition
- US6491837B1 20021210 PRAXAIR TECHNOLOGY INC US  
Polishing slurry
- EP1129816A3 20030115 CORNING INC US  
Method for polishing ceramics
- EP1129816A2 20010905 CORNING INC US  
Method for polishing ceramics

**Legal Status:** There is no Legal Status information available for this patent
       
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